

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

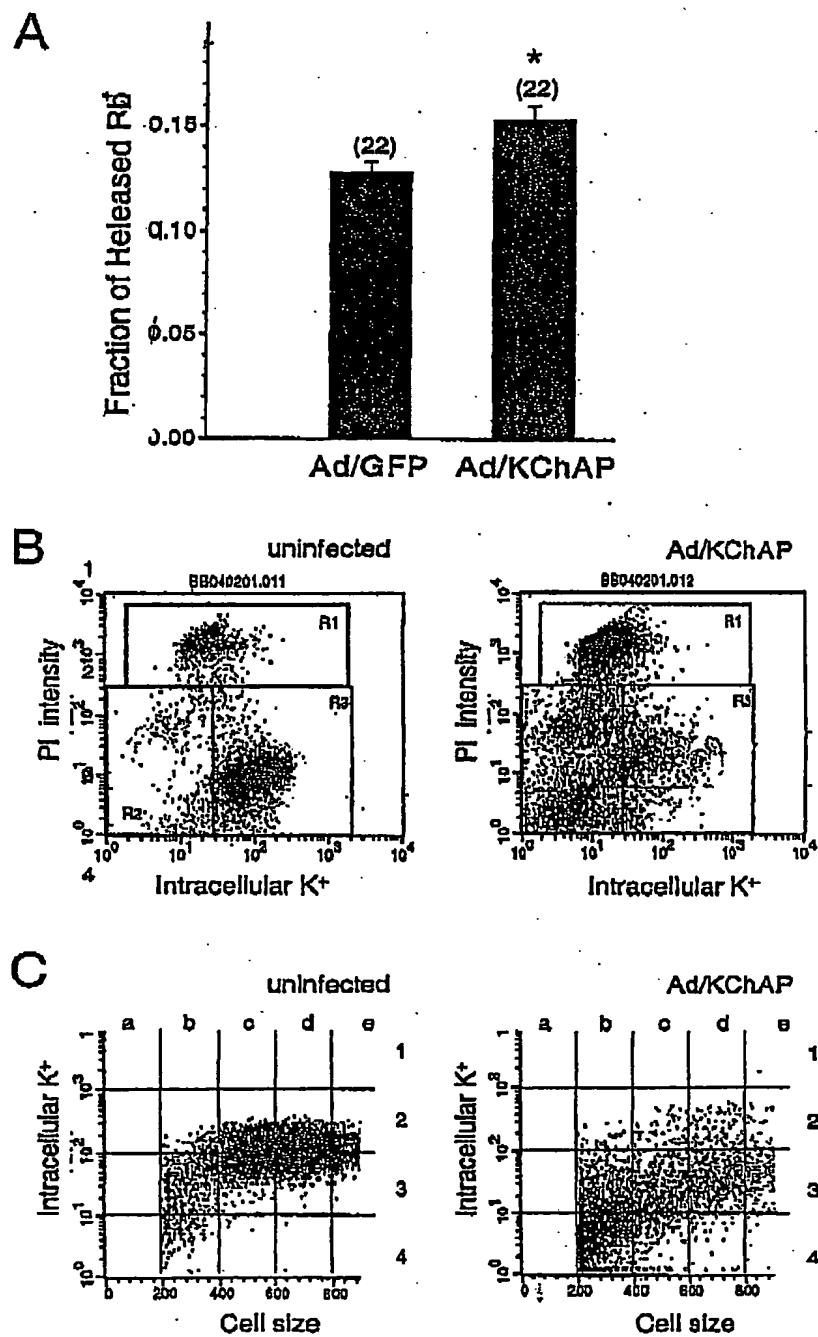


Fig. 1

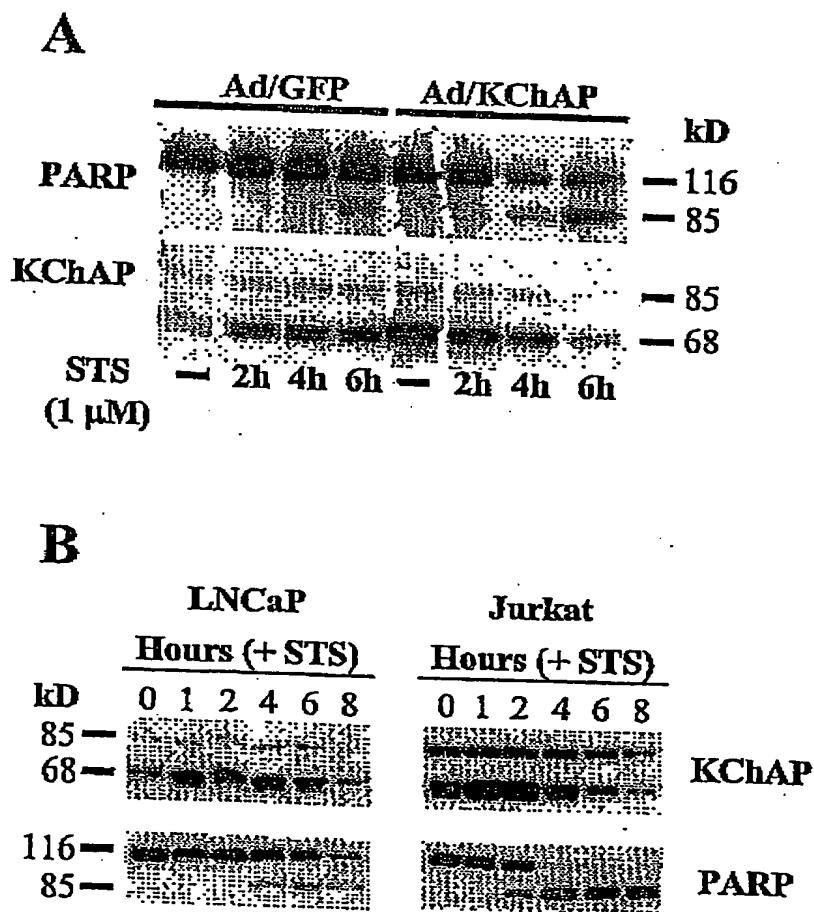
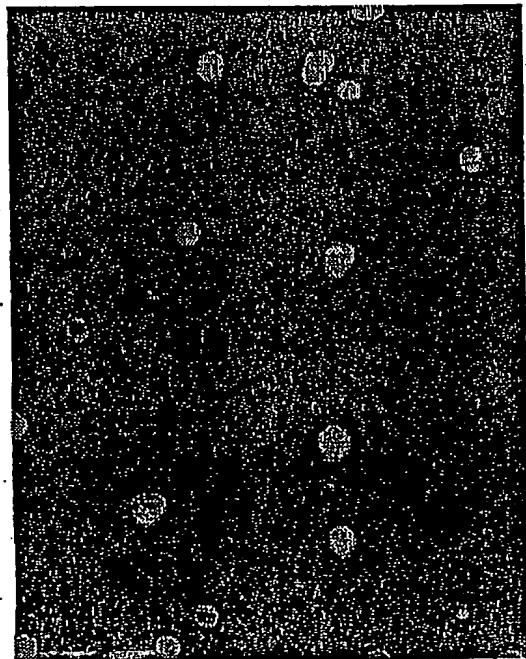
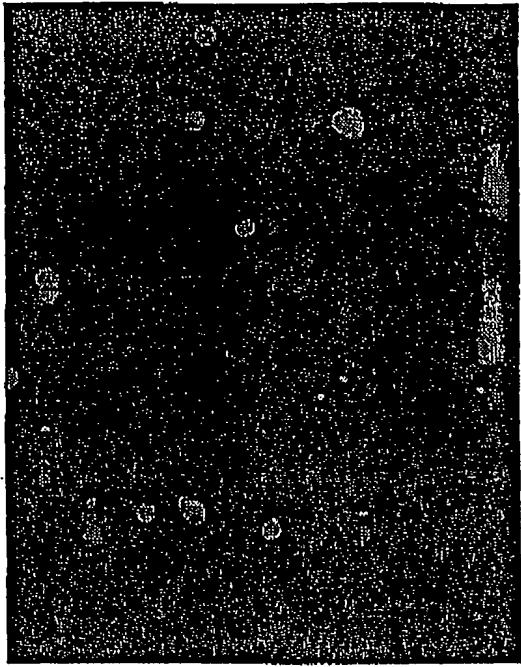


Fig. 2

Fig. 3



Ad/LacZ



Ad/KChAP

Infection	% Comet Pos. cells	# cells scored	Infection	% Comet Pos. cells	# cells scored
1	1.1	186	1	30.3	145
2	1.3	234	2	27.0	148
3	0.9	347	3	22.4	170
4	0	279	4	17.7	175

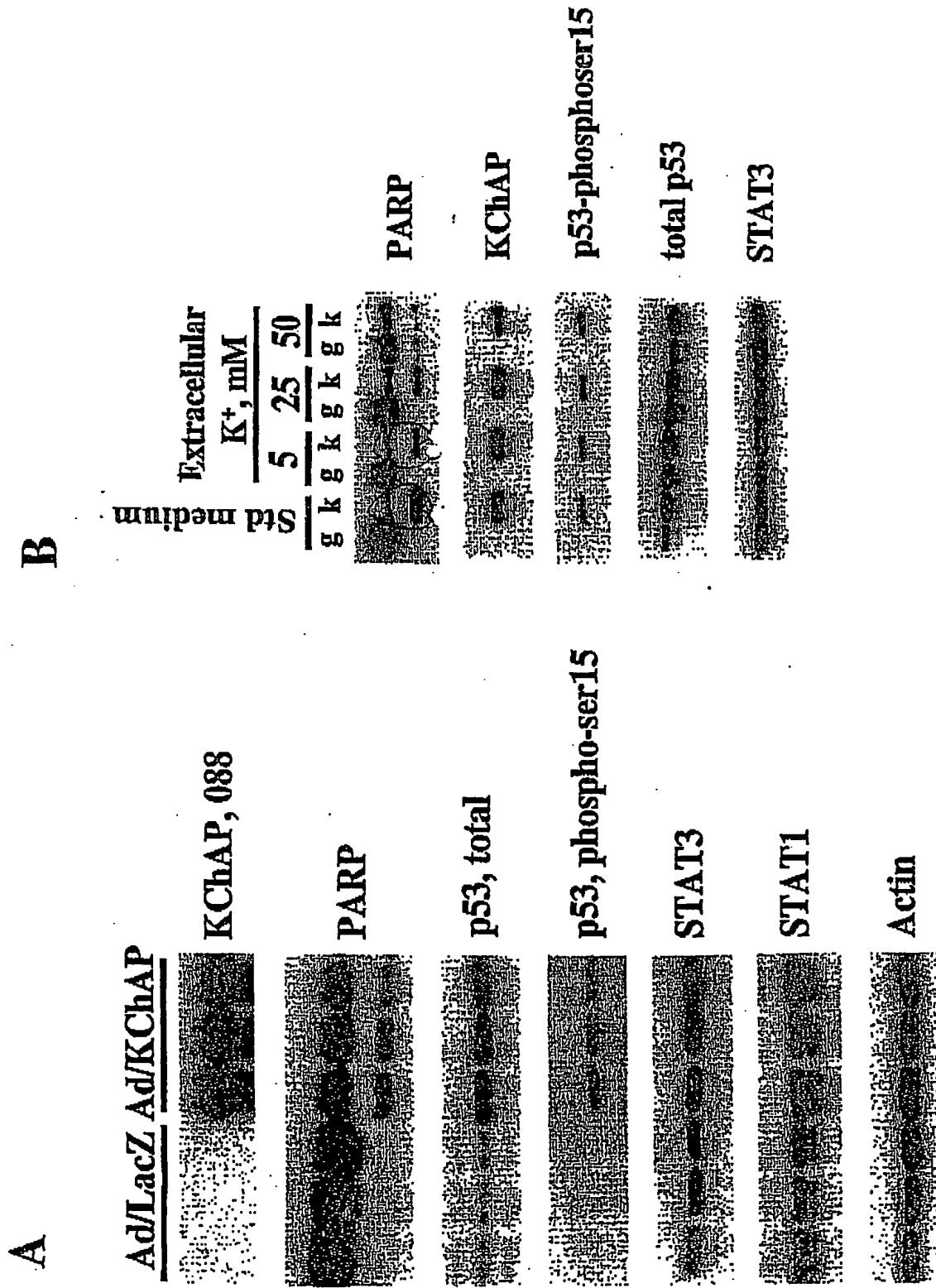
Ad/LacZ Ad/KChAP

KChAP, 088 antibody



B.

Fig. 4

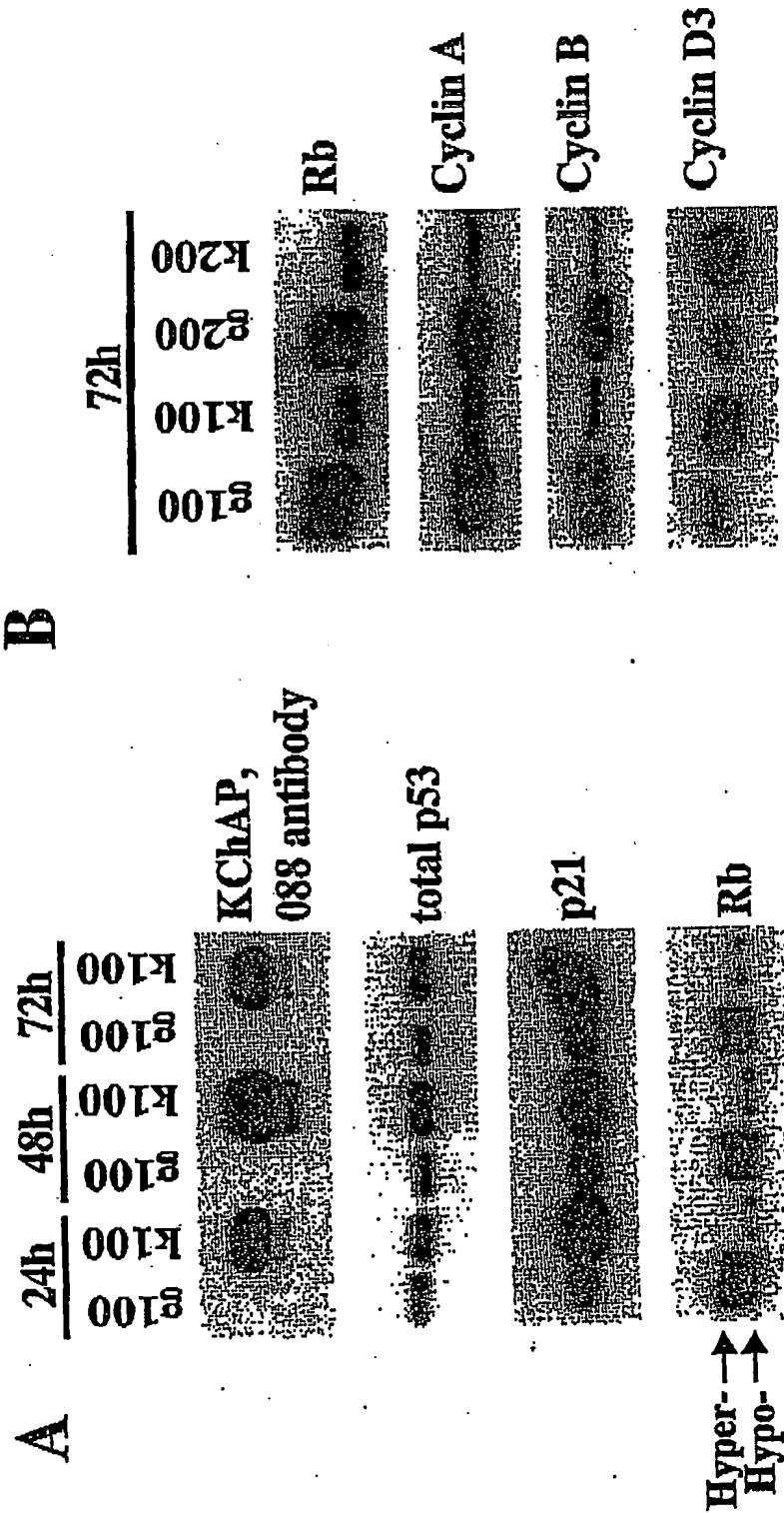


Title: METHODS OF INDUCING APOPTOSIS IN HYPERPROLIFERATIVE CELLS

Inventors Name: Brown, et al.

Attorney Docket Number: 22884/04085

Fig. 5



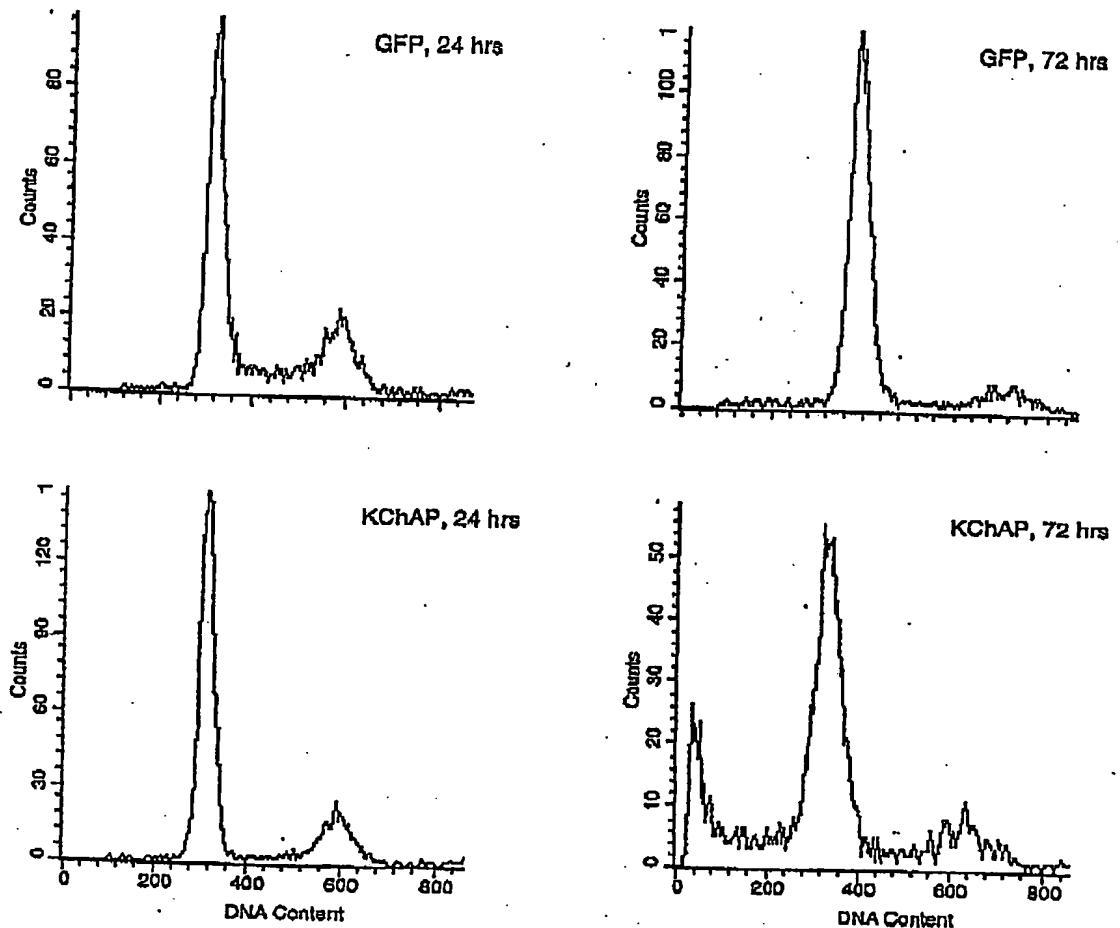
Title: METHODS OF INDUCING APOPTOSIS IN HYPERPROLIFERATIVE CELLS

Inventors Name: Brown, et al.

Attorney Docket Number: 22884/04085

Fig. 6

A



B

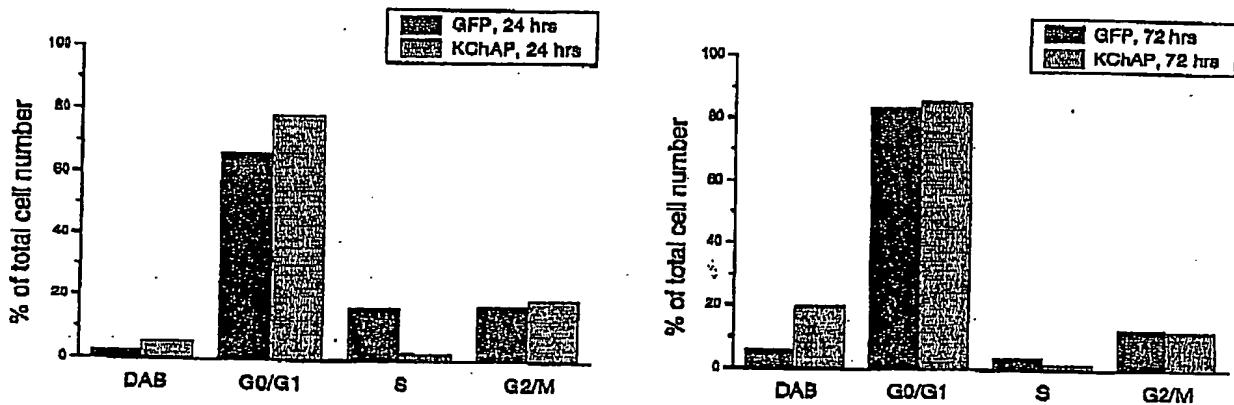
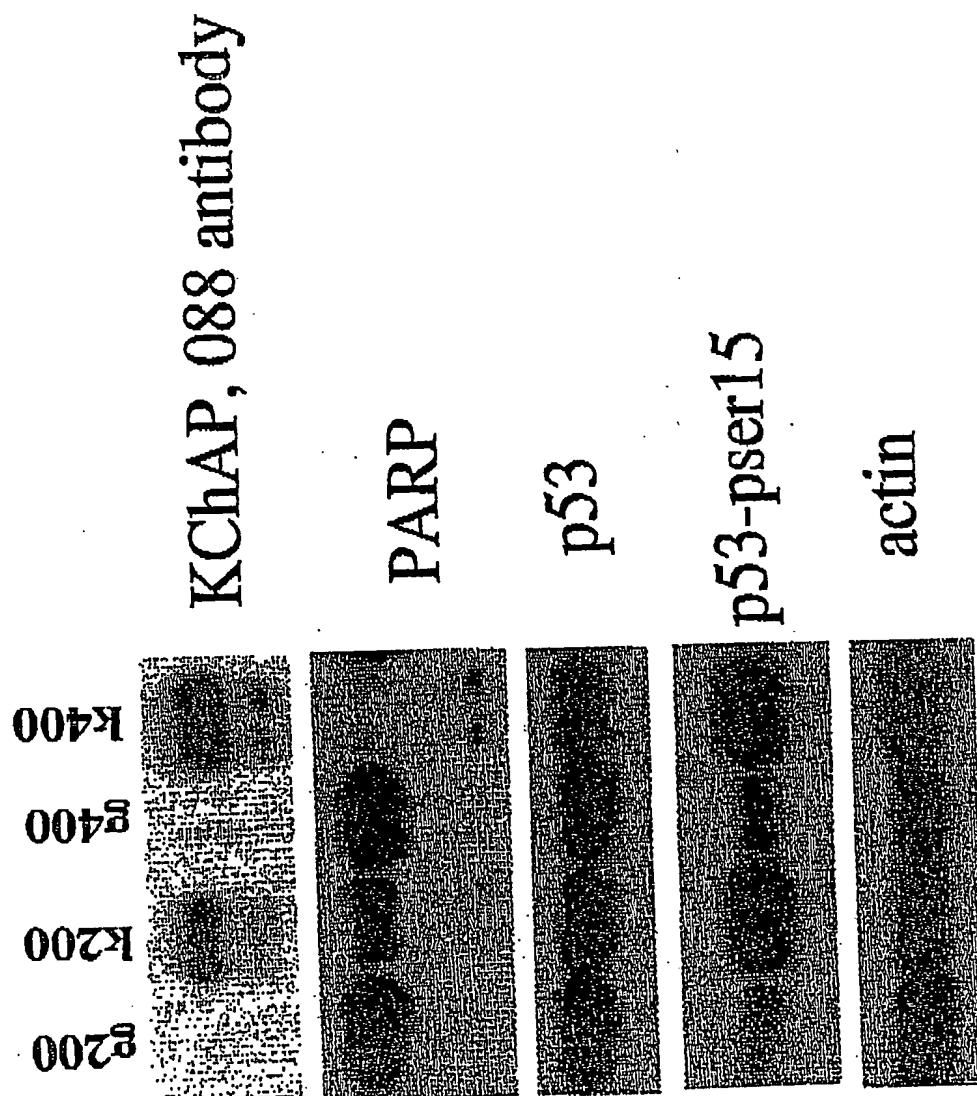


Fig. 7



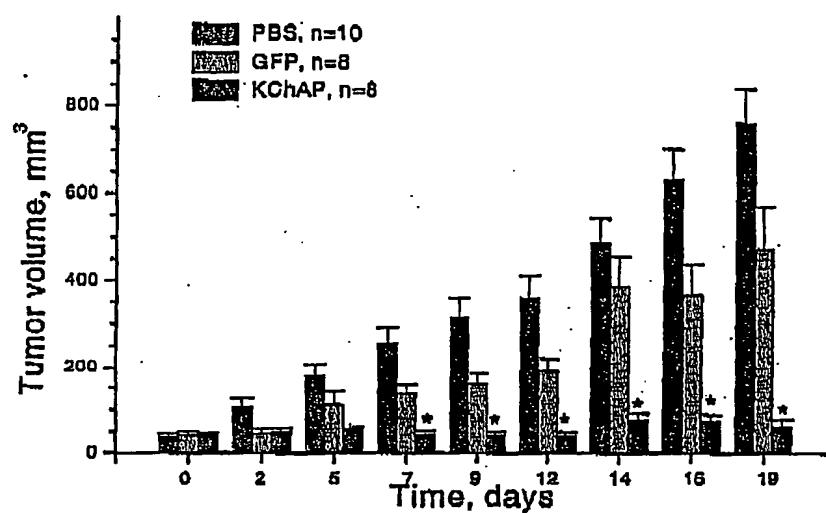
Title: METHODS OF INDUCING APOPTOSIS IN HYPERPROLIFERATIVE CELLS

Inventors Name: Brown, et al.

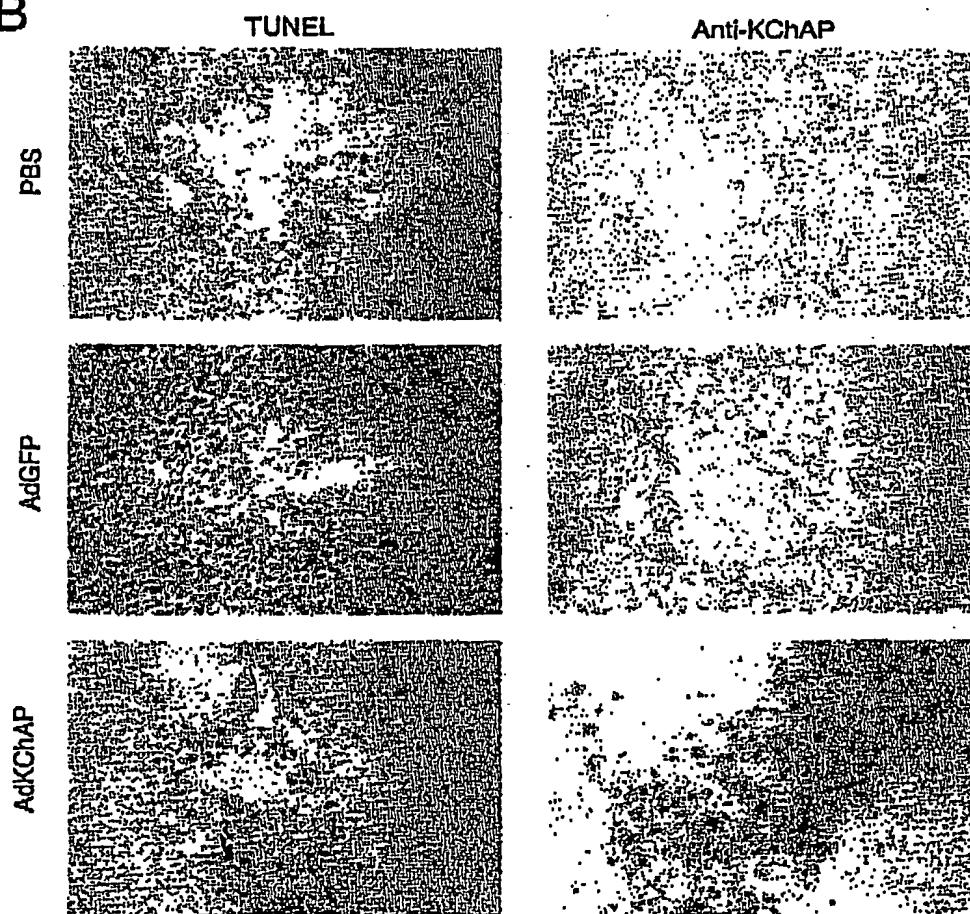
Attorney Docket Number: 22884/04085

Fig. 8

A



B



Title: METHODS OF INDUCING APOPTOSIS IN HYPERPROLIFERATIVE CELLS

Inventors Name: Brown, et al.

Attorney Docket Number: 22884/04085

Fig. 9A

A
p
a
I
atgaagatcaaagagcttaccgacgacgcttccccggaagaccctggggccctctgat
1 M K I K E L Y R R R F P R K T L G P S D 60

ctctcccttctctttgcacctggcaccttcgttaggctccctggcctcttagct
61 L S L L S L P P G T S P V G S P G P L A 120

A
p
a
I
cccattccccaacgctgttgccctggcacccctgctggggcccaagcgtgaggtggac
121 P I P P T L L A P G T L L G P K R E V D 180

atgcaccccccctctgcacctgtgcacctgtatgtcaccatgaaaccattgccttc
181 M H P P L P Q P V H P D V T M K P L P F 240

tatgaagtctatggggagctcatccggcccaccacccttgcattccacttctagccagcgg
241 Y E V Y G E L I R P T T L A S T S S Q R 300

tttgaggaagcgcacttaccttgcacctcacaccccaagcaagtgcagcagattcttaca
301 F E E A H F T F A L T P Q Q V Q Q I L T 360

tccagagaggttctgccaggagccaaatgtgattataccatacaggtgcagctaaggttc
361 S R E V L P G A K C D Y T I Q V Q L R F 420

P
v
u
I
I
tgtctctgtgagaccagctgccccaggaagattatcccaacctttgtcaag
421 C L C E T S C P Q E D Y F P P N L F V K 480

Title: METHODS OF INDUCING APOPTOSIS IN HYPERPROLIFERATIVE CELLS

Inventors Name: Brown, et al.

Attorney Docket Number: 22884/04085

Fig. 9B

B
S
t
E
I
I
gttaatggaaactgtccccctgcgggttaccccccaccaagaatggggccgag
481 V N G K L C P L P G Y L P P T K N G A E - 540

cccaagaggcccagccgccccatcaacatcacaccctggctcgacttcagccactgtt
541 P K R P S R P I N I T P L A R L S A T V - 600

cccaacaccattgtggtcaattggtcatctgagttcggacggaattactccttgtctgtg
601 P N T I V V N W S S E F G R N Y S L S V - 660

B
P
s
a
t
W
I
I
tacctggtagggcagttgactgcaggaacccttctacaaaaactcagagcaaagggtatc
661 Y L V R Q L T A G T L L Q K L R A K G I - 720

cggaacccagaccactcgccggactgtatcaaggagaaattgactgctgaccctgacagt
721 R N P D H S R A L I K E K L T A D P D S - 780

gaggtggccactacaagtctccgggtgtcactcatgtgcccgctaggaaagatgcgcctg
781 E V A T T S L R V S L M C P L G K M R L - 840

P
s
t
I
I
actgtcccttgcgtgccctcacctgtgcccacctgcagagcttcgatgctgcccttat
841 T V P C R A L T C A H L Q S F D A A L Y - 900

ctacagatgaatgagaagaaggcctacatggacatgtcctgtgtgacaagaaggctccc
901 L Q M N E K K P T W T C P V C D K K A P - 960

tatgaatctttatcattgtggttattatggagattcttagttctgttcagattgt
961 Y E S L I I D G L F M E I L S S C S D C - 1020

Title: METHODS OF INDUCING APOPTOSIS IN HYPERPROLIFERATIVE CELLS

Inventors Name: Brown, et al.

Attorney Docket Number: 22884/04085

Fig. 9C

P B
f a
l m
M H
I I

gatgagatccaattcatggaagatggatcctgggtcccaatgaaacccaagaaggaggca
1021-----+-----+-----+-----+-----+-----+-----+-----+ 1080
D E I Q F M E D G S W C P M K P K K E A -

P
f
l
M
I

tctgagggttgcggccagggtatggctggatggcctccagtacagcccagtccag
1081-----+-----+-----+-----+-----+-----+-----+-----+ 1140
S E V C P P G Y G L D G L Q Y S P V Q -

gggggagatccatcagagaataagaagaaggtcgaagttattgacttgacaatagaaaagc
1141-----+-----+-----+-----+-----+-----+-----+-----+ 1200
G G D P S E N K K K V E V I D L T I E S -

P
v
u
I
I

tcatcagatgaggaggatctgcctaccacaaagaagcactgttctgtcacctcagctgcc
1201-----+-----+-----+-----+-----+-----+-----+-----+ 1260
S S D E D L P P T K K H C S V T S A A -

atcccgccctacctggaagcaaaggagtccatctggccaccagccatcctcggtg
1261-----+-----+-----+-----+-----+-----+-----+-----+ 1320
I P A L P G S K G V L T S G H Q P S S V -

ctaaggagccctgctatggcacgttgggtgggatttcctgtccagtctccactacat
1321-----+-----+-----+-----+-----+-----+-----+-----+ 1380
L R S P A M G T L G G D F L S S L P L H -

gagtacccacactgcctcccactggagccgacatccaaggtttagattttcattt
1381-----+-----+-----+-----+-----+-----+-----+-----+ 1400
E Y P P A F P L G A D I Q G L D L F S F -

cttcagacagagagtcaactatggccctctgtcatcacactactagatgaacaggat
1441-----+-----+-----+-----+-----+-----+-----+-----+ 1500
L Q T E S Q H Y G P S V I T S L D E Q D -

Title: METHODS OF INDUCING APOPTOSIS IN HYPERPROLIFERATIVE CELLS

Inventors Name: Brown, et al.
Attorney Docket Number: 22884/04085

Fig. 9D

<pre> A p a I gcccttggccacttccaggacccttctcactttctggcccactggcc 1501-----+-----+-----+-----+-----+-----+-----+ A L G H F F Q Y R G T P S H F L G P L A </pre>	1560
P N s a t r I I	
<pre> cccacgctggggagctcccactgcagcgccactccggcgccccctctggccgtgtcagc 1561-----+-----+-----+-----+-----+-----+-----+ P T L G S S H C S A T P A P P G R V S </pre>	1620
S a u I	
<pre> agcattgtggccctggggggccttgaggaggggcatggaggaccctgcctcaggt 1621-----+-----+-----+-----+-----+-----+-----+ S I V A P G G A L R E G H G G P L P S G </pre>	1680
<pre> ccctttgactggctgtcggtcagacatcattccctggactga 1681-----+-----+-----+-----+-----+-----+ P S L T G C R S D I I S L D * </pre>	1725

Enzymes that do cut:

Apal	BamHI	BsaWI	BstEII	NarI	PflMI	PstI	PvuII
SauI							

Enzymes that do not cut:

AatII	AgeI	AseI	AvaI	BbrPI	BfrI	BglII	BsaBI
BsmI	BssHII	BstBI	BstXI	ClaI	DraI	DraIII	EagI
EcoRI	HindIII	HpaI	KpnI	MluI	NcoI	NdeI	NheI
NotI	NruI	NsiI	PmlI	PvuI	SacII	SalI	Scal
SfiI	SmaI	SnaBI	SpeI	SspI	StuI	XbaI	Xhol

Title: METHODS OF INDUCING APOPTOSIS IN HYPERPROLIFERATIVE CELLS

Inventors Name: Brown, et al.

Attorney Docket Number: 22884/04085

Fig. 10

KChAP expression in Human Brain Tumors and Colon Cancers

C#64	C#65
HumI	N
T	T
46	54
61	64
71	71
85	86

